DH2.2

**Complete the grouped frequency tables to answer the questions.**

These tables give information about the times taken for visitors to find their way through different mazes.

**Hampton Court Maze**

|  |  |
| --- | --- |
| Time, t, minutes | Frequency |
| 5 < t ≤ 10 | 5 |
| 10 < t ≤ 15 | 8 |
| 15 < t ≤ 20 | 6 |
| 20 < t ≤ 25 | 4 |
| 25 < t ≤ 30 | 2 |

(i) Modal class

(ii) The class containing the Median

(iii) An estimate of the mean

**The Maize Maze**

|  |  |
| --- | --- |
| Time, t, minutes | Frequency |
| 5 < t ≤ 10 | 6 |
| 10 < t ≤ 15 | 7 |
| 15 < t ≤ 20 | 5 |
| 20 < t ≤ 25 | 0 |
| 25 < t ≤ 30 | 2 |
| 30 < t ≤ 35 | 1 |

(i) Modal class

(ii) The class containing the Median

(iii) An estimate of the mean

There are 12 boys and 15 girls in a class. *(Edexcel Ltd)*

In a test, the mean mark for the boys was n. In the same test, the mean mark for the girls was m.

Work out an expression for the mean mark of the whole class of 27 students.